

# FIG. 1A

5' -AAAAGGAGAGAAAGCC 17

Met Ala Asp Lys Val Leu Lys Glu Lys Arg Lys Leu Phe Ile Arg Ser Met Gly Glu Gly Thr Ile Asn Gly Leu 25  
 ATG GCC GAC AAG GTC CTC AAG AAG AGA AAG CTG TTT ATC CGT TCC ATG GGT GAA GGT ACA ATA AAT GGC TTA 92  
  
 Leu Asp Glu Leu Leu Gln Thr Arg Val Leu Asn Lys Glu Met Glu Lys Val Lys Arg Glu Asn Ala Thr Val 50  
 CTG GAT GAA TTA CTC AAC AGC GTC CTC AAC AAG GAA GAG ATG GAG AAA GAA AAT GCT ACA GTT 167  
  
 Met Asp Lys Thr Arg Ala Leu Ile Asp Ser Val Ile Pro Lys Gly Ala Gln Ala Cys Gln Ile Cys Ile Thr Tyr 75  
 ATG GAT AAC ACC CGA CCT TTG ATT GAC TCC GTC ATT CCG AAA GGG GCA CAG GCA TGC CAA ATT TGC ATC ACA TAC 242  
  
 Ile Cys Glu Glu Asp Ser Tyr Leu Ala Gly Thr Leu Gly Leu Ser Ala Asp Gln Thr Ser Gly Asn Tyr Leu Asn 100  
 ATT TGT GAA GAA GAC AGT TAC CTG GCA GGG ACG CTG GCA CTC TCA GCA GAT CAA ACA TCT GGA AAT TAC CTT AAT 317  
  
 Met Gln Asp Ser Gln Gly Val Leu Ser Ser Phe Pro Ala Pro Gln Ala Val Gln Asp Asn Pro Ala Met Pro Thr 125  
 ATG CAA GAC TCT CAA GGA GTA CTC TCT TCC TTT CCA GCT CCT CAG GCA GTG CAG AAC CCA GCT ATG CCC ACA 392  
  
 Ser Ser Gly Ser Glu Gly Asn Val Lys Leu Cys Ser Leu Glu Glu Ala Gln Arg Ile Tri Phe Lys Ser Ala 150  
 TCC TCA GGC TCA GAA GGG AAT GTC AAG CTT TGC TCC CTA GAA GAA GCT CAA AGG ATA TGG AAA CAA AAG TCG GCA 467  
  
 Glu Ile Tyr Pro Ile Met Asp Lys Ser Ser Arg Thr Arg Leu Ala Leu Ile Ile Cys Asn Glu Glu Phe Asp Ser 175  
 GAG ATT TAT CCA ATA ATG GAC AAG TCA AGC CGC ACA CGT CTC ATT ATC TGC AAT GAA GAA TTT GAC AGT 542  
  
 Ile Pro Arg Arg Thr Gly Ala Glu Val Asp Ile Thr Gly Met Thr Met Leu Gln Asn Leu Gly Tyr Ser Val 200  
 ATT CCT AGA AGA ACT GGA GCT GAG GTT GAC ATC ACA CGC ATG CTC CTA CAA AAT CTG GGG TAC AGC GTA 617  
  
 Asp Val Lys Asn Leu Thr Ala Ser Asp Met Thr Thr Glu Leu Glu Ala Phe Ala His Arg Pro Glu His Lys 225  
 GAT GTG AAA AAA AAT CTC ACT GCT TCG GAC ATG ACT ACA GAG CTG GAG GCA TTT GCA CAC CGC CCA GAG CAC AAG 692  
  
 Thr Ser Asp Ser Thr Phe Leu Val Phe Met Ser His GLY Ile Arg Glu Gly Ile Cys Gly Lys Lys His Ser Glu 250  
 ACC TCT GAC AGC ACG TTC CTC GTG TGT CAT GGT ATT CGG GAA GGC ATT TGT GGG AAG AAA CAC TCT GAG 767

FIG. 1B

## FIG 2

Met Ala Glu Val Pro Glu Leu Ala Ser Glu Met Met Ala Tyr Tyr Ser  
10  
Gly Asn Glu Asp Asp Leu Phe Phe Glu Ala Asp Gyl Pro Lys Gln Met  
20 30  
Lys Cys Ser Phe Gln Asp Leu Asp Leu Cys Pro Leu Asp Gly Gly Ile  
40  
Gln Leu Arg Ile Ser Asp His His Tyr Ser Lys Gly Phe Arg Gln Ala  
50  
Ala Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro  
60 70 80  
Cys Pro Gln Thr Phe Gln Glu Asn Asp Leu Ser Thr Phe Phe Pro Phe  
90  
Ile Phe Glu Glu Glu Pro Ile Phe Phe Asp Thr Trp Asp Asn Glu Ala  
100 110  
Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp  
120  
Ser Gln Gln Lys Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala  
130 140  
Leu His Leu Gln Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met  
150 160  
Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu  
170  
Gly Leu Lys Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp  
180 190  
Lys Pro Thr Leu Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys  
200  
Lys Lys Met Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn  
210 220  
Lys Leu Glu Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr  
230 240  
Ser Gln Ala Glu Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly  
250  
Gln Asp Ile Thr Asp Phe Thr Met Gln Phe Val Ser Ser  
260 269

**FIG 3**

